



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

03/26/2011

John Wortmann
Assistant US Attorney, Boston District

Dear AUSA Wortmann,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Daniel Renczkowski.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

I, Annie Dookhan, was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us



DRUG RECEIPT

District/Unit A-1 / DCU

Name & Rank of Arresting Officer S/I Wm DWAN ID# 10060

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sgt. 1st Class ID# 11064

Received by *Ell* Date *9-13-70*

Date 9-13-70

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

* Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory
Chemist I (October 2005 – March 2008)
Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory
Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

No. [REDACTED] Date Analyzed: 10-06-10
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 6 Cont: pb
Date Rec'd: 09/15/2010 No. Analyzed: 1
Gross Wt.: 5.73 Net Weight: 0.37
Tests: 6 ADD
DJR: 2 DJR
Prelim: cocaine (O) Findings: Cocaine

No. [REDACTED] Date Analyzed: 10-06-10
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 6 Cont: pb
Date Rec'd: 09/15/2010 No. Analyzed: 1
Gross Wt.: 3.31 Net Weight: 0.14
Tests: 6 ADD
DJR: 2 DJR
Prelim: cocaine (O) Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY BOSTON ANALYST ASJ

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (6): 1-5831

off white cherry substance
12.6 gms

Gross Wt (1): 0.4820

Pkg. Wt: _____

Net Wt: 0.3745

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold Chloride -

TLTA (-) +

OTHER TESTS

DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Boston ANALYST AJG

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (6): 1.3327

OFF white crumbly substance
1.3327

Gross Wt (1): 0.2309

Pkg. Wt: _____

Net Wt: 0.1440

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 12-30-10

GC/MS CONFIRMATORY TEST

RESULTS cocaine

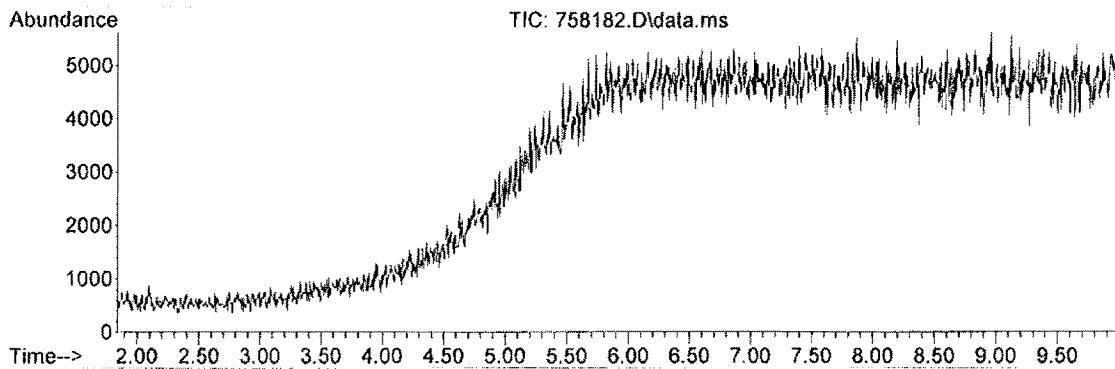
MS
OPERATOR DJR

DATE 12-6-10

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File Name : C:\msdchem\1\System7\12_01_10\758182.D
Operator : DJR
Date Acquired : 2 Dec 2010 3:01
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

✓ DJR
3-22-11

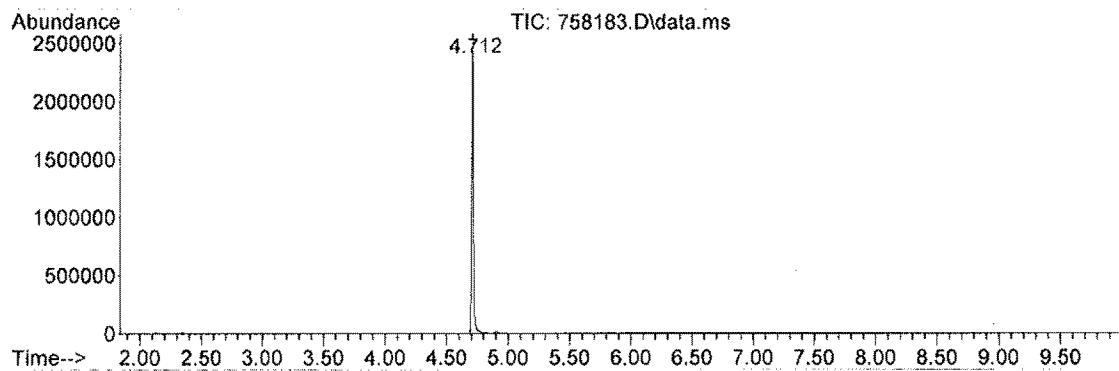


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758183.D
Operator : DJR
Date Acquired : 2 Dec 2010 3:14
Sample Name : COCAINE STD
Submitted by :
Vial Number : 83
AcquisitionMeth: DRUGS.M
Integrator : RTE



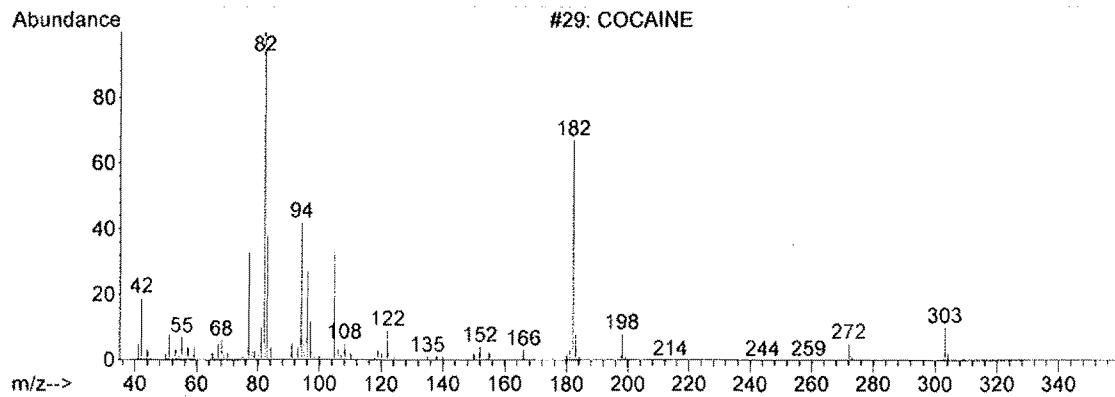
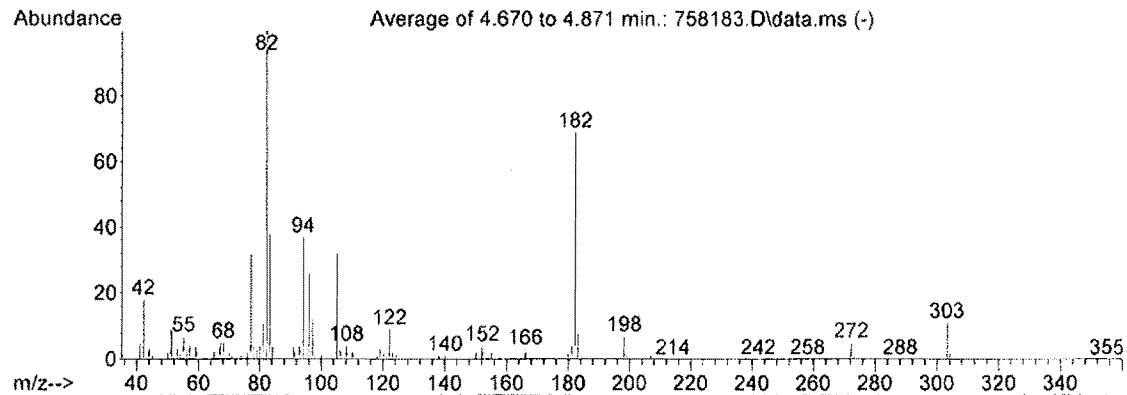
Ret. Time	Area	Area %	Ratio %
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Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758183.D
Operator : DJR
Date Acquired : 2 Dec 2010 3:14
Sample Name : COCAINE STD
Submitted by :
Vial Number : 83
AcquisitionMeth: DRUGS.M
Integrator : RTE

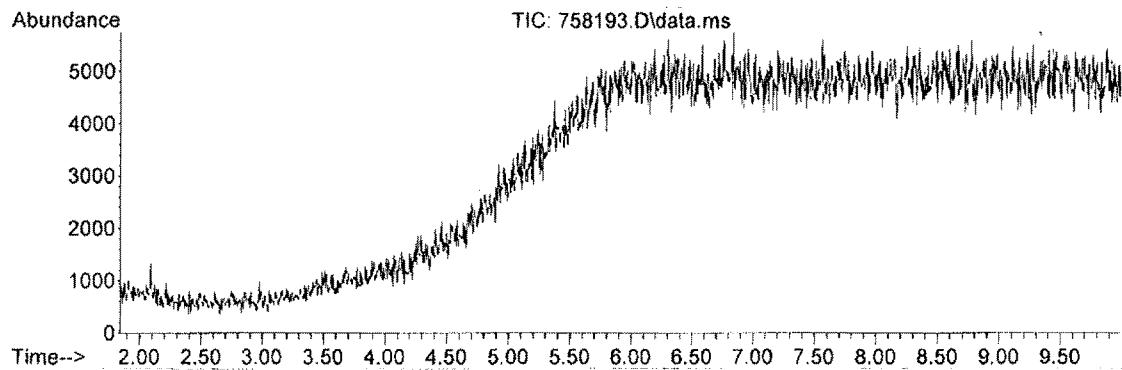
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C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.71	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758193.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:20
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

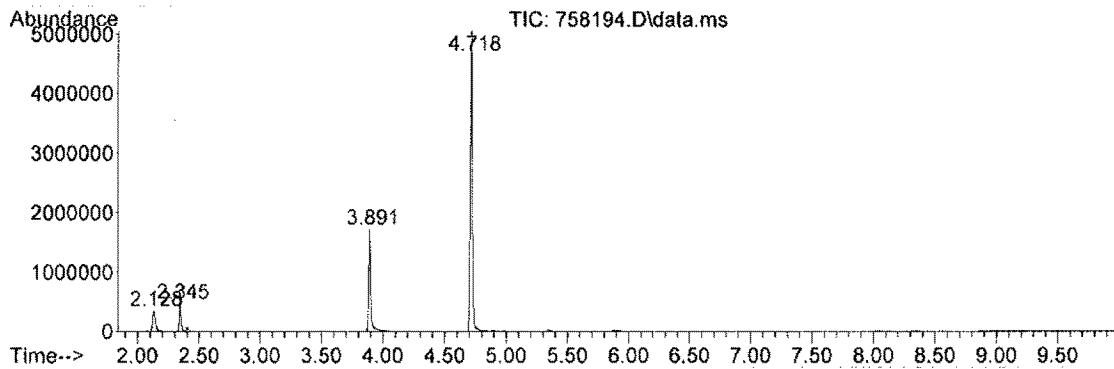


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758194.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 94
AcquisitionMeth: DRUGS.M
Integrator : RTE



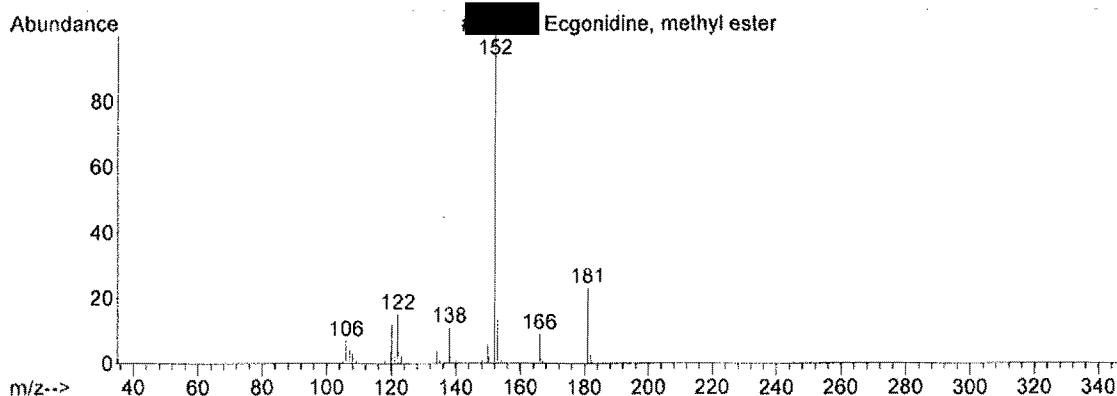
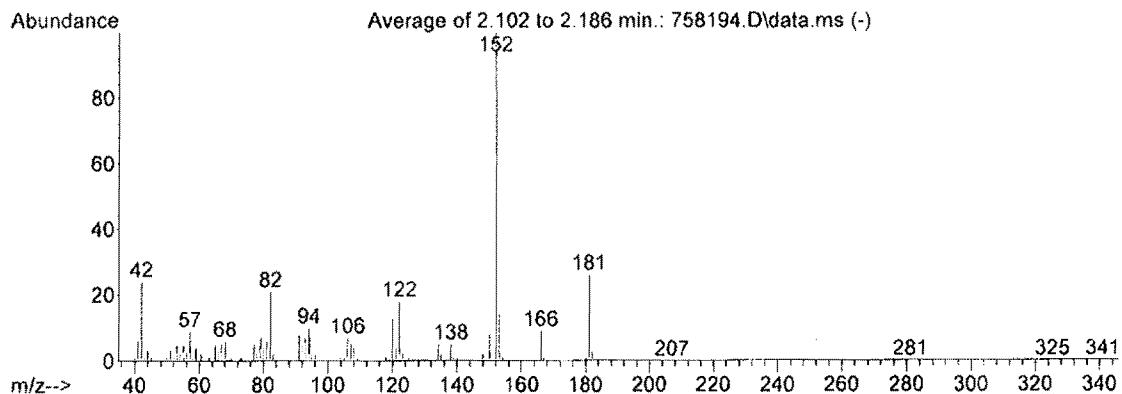
Ret. Time	Area	Area %	Ratio %
2.128	530903	5.87	8.78
2.345	454049	5.02	7.51
3.891	2015106	22.27	33.32
4.718	6047815	66.84	100.00

Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758194.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 94
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.13	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		Benzeneethanamine, 3,4-dimethoxy-	000120-20-7	43

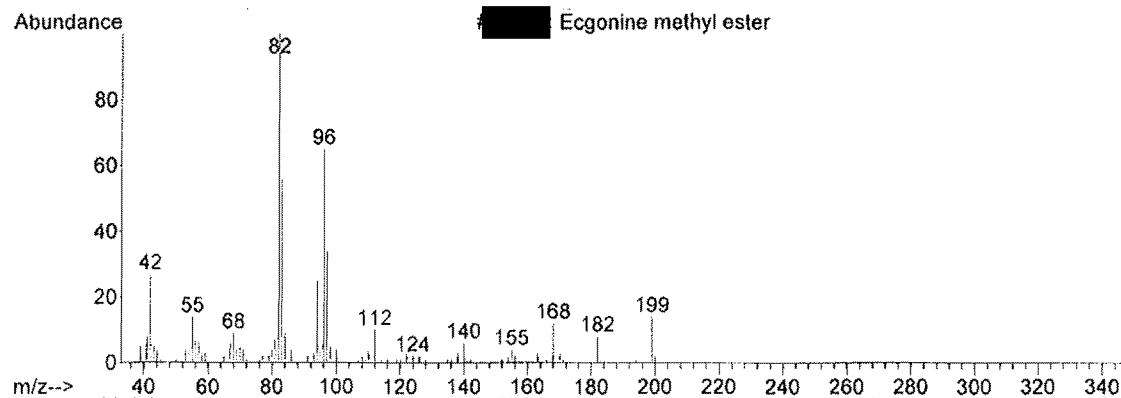
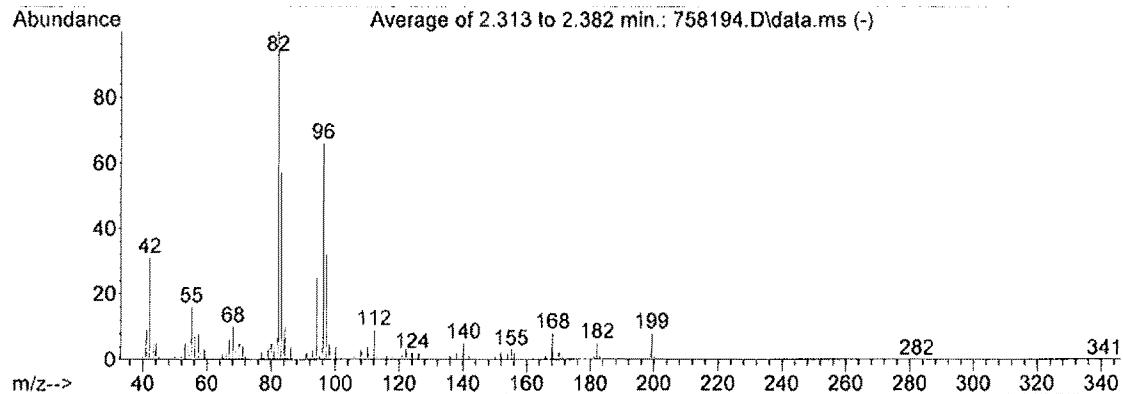


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Operator : DJR
Date Acquired : 2 Dec 2010 5:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 94
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.35	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	96
		Ecgonine methyl ester	106293-60-1	96

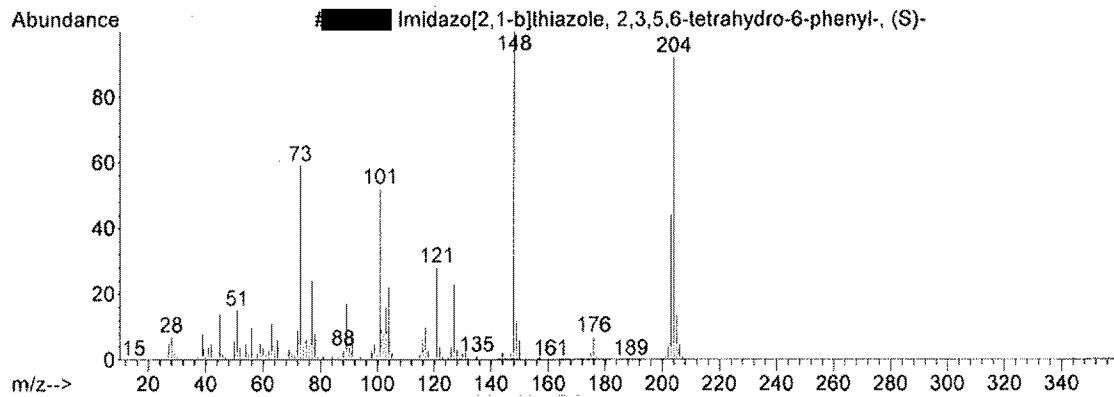
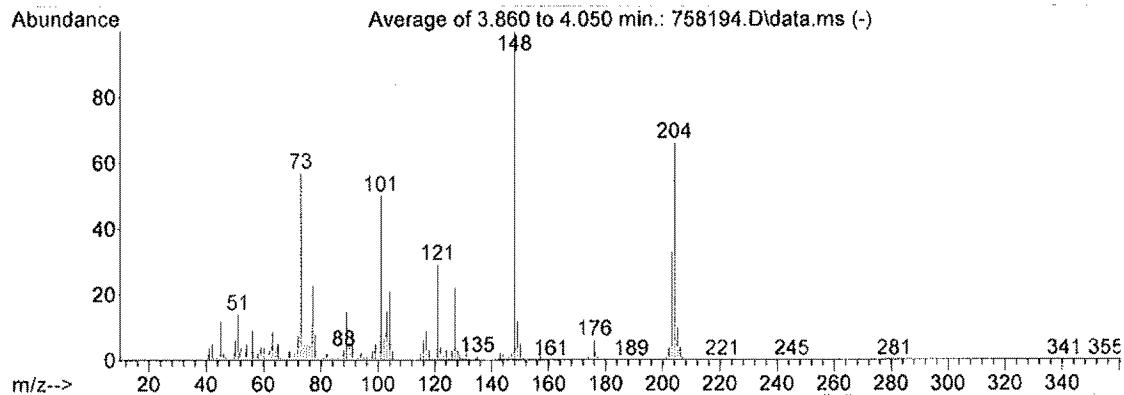


Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758194.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 94
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	3.89	C:\Database\NIST05a.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98

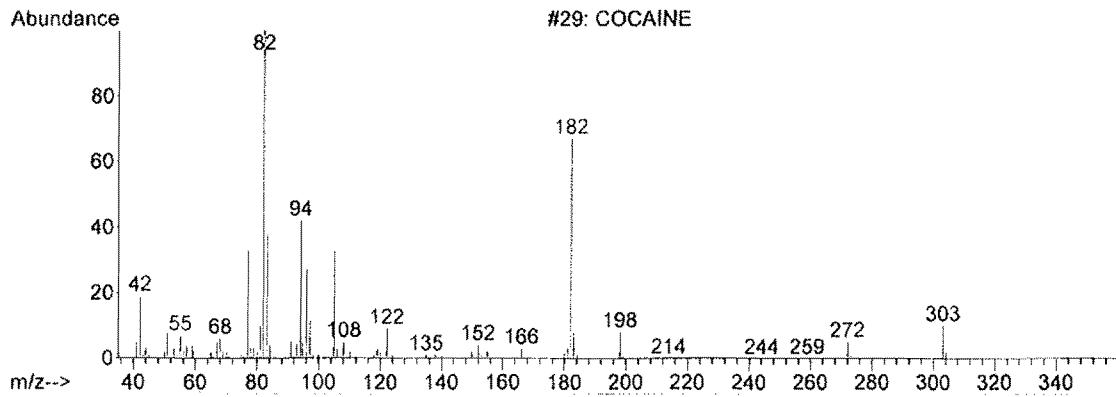
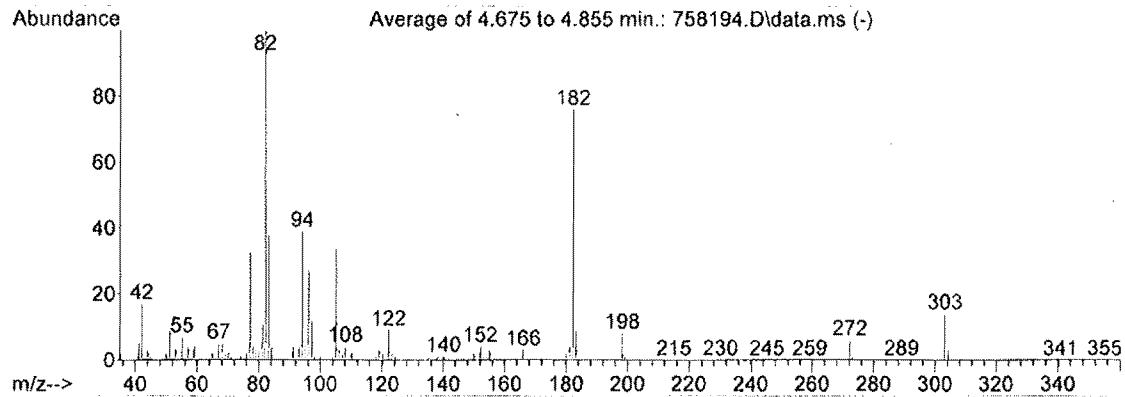


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Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 94
AcquisitionMeth: DRUGS.M
Integrator : RTE

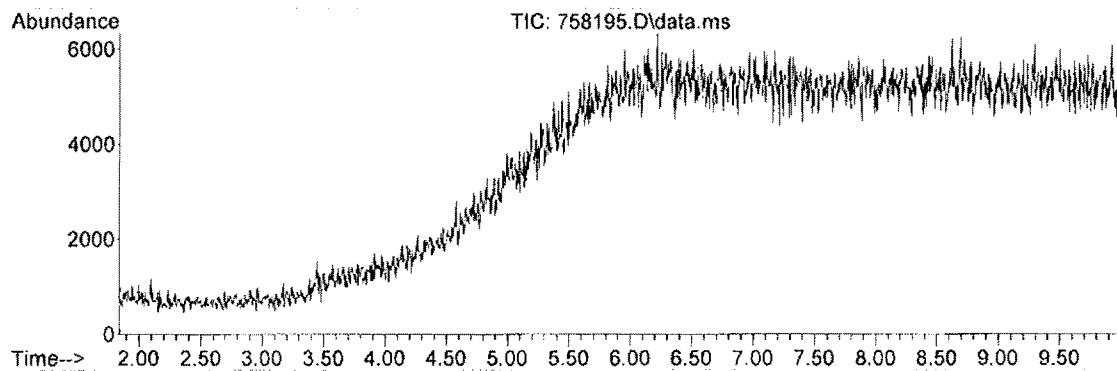
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C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	4.72	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758195.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:46
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

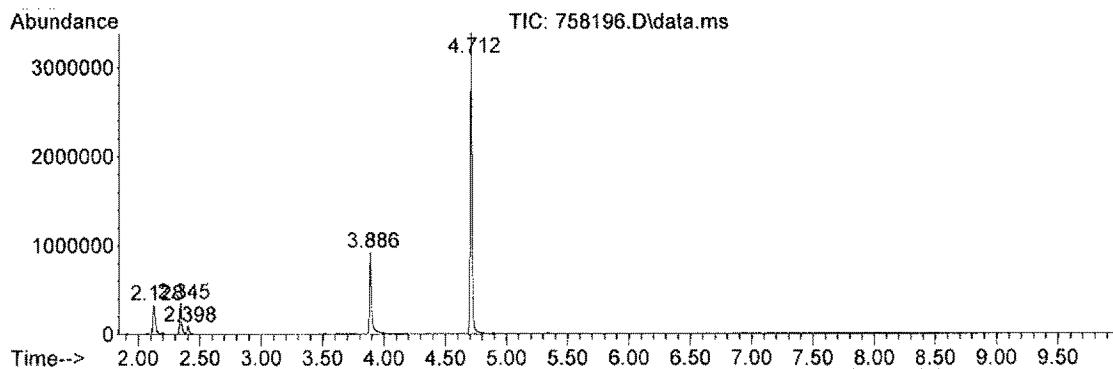


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758196.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:58
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 96
AcquisitionMeth: DRUGS.M
Integrator : RTE



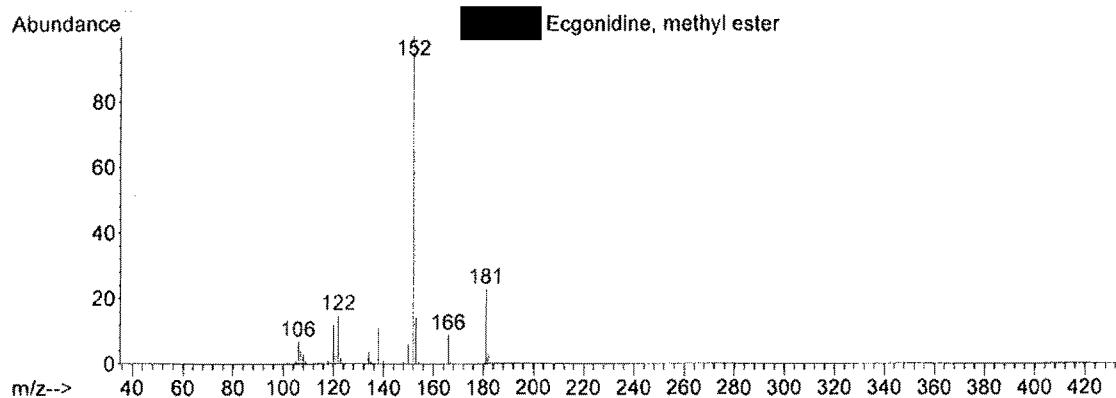
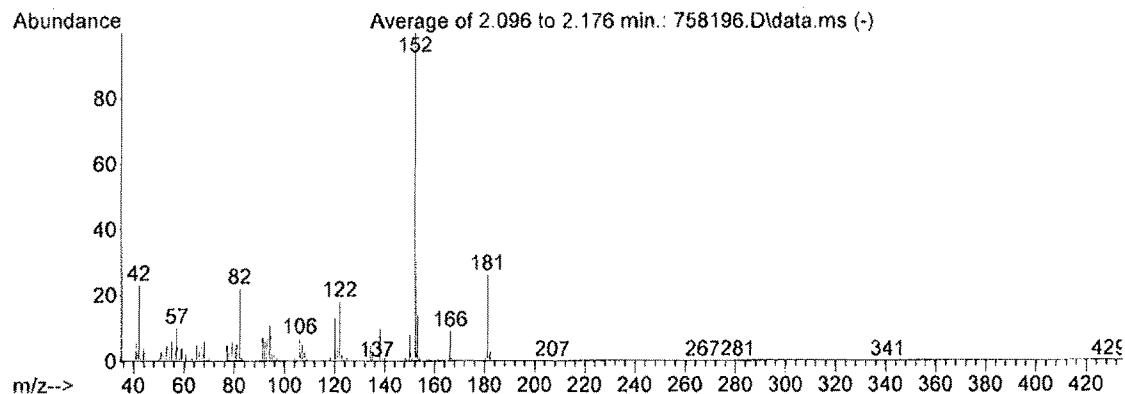
Ret. Time	Area	Area %	Ratio %
2.128	439445	7.76	12.33
2.345	365936	6.46	10.27
2.398	112825	1.99	3.17
3.886	1183263	20.89	33.21
4.712	3562869	62.90	100.00

Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758196.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:58
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 96
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.13	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		2,6-Dimethoxytoluene	005673-07-4	38

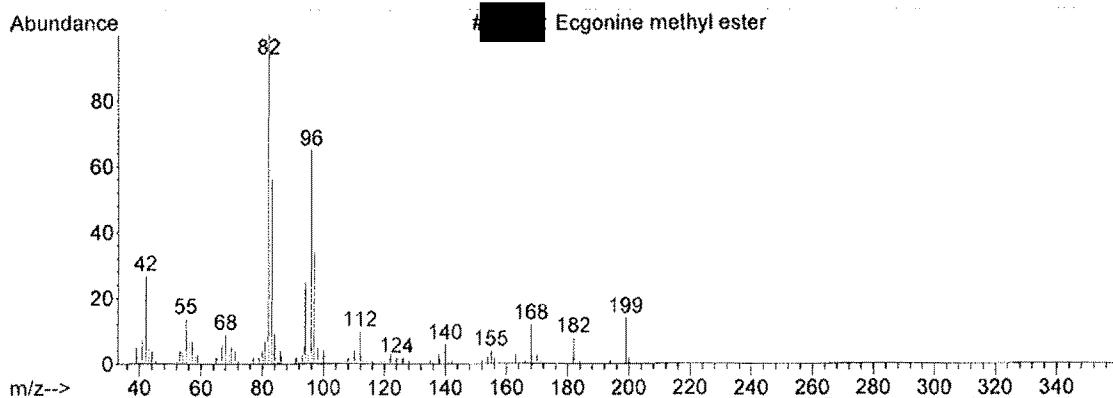
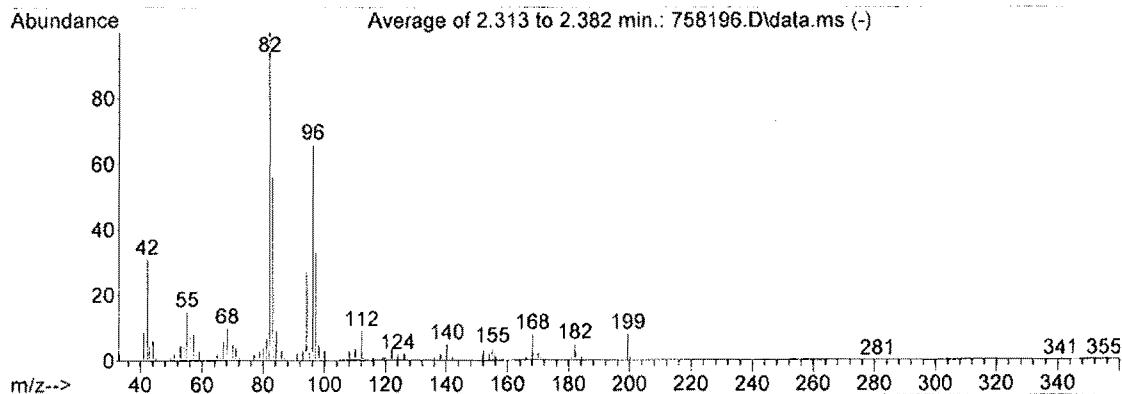


Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758196.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:58
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 96
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.35	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	96
		Ecgonine methyl ester	106293-60-1	95

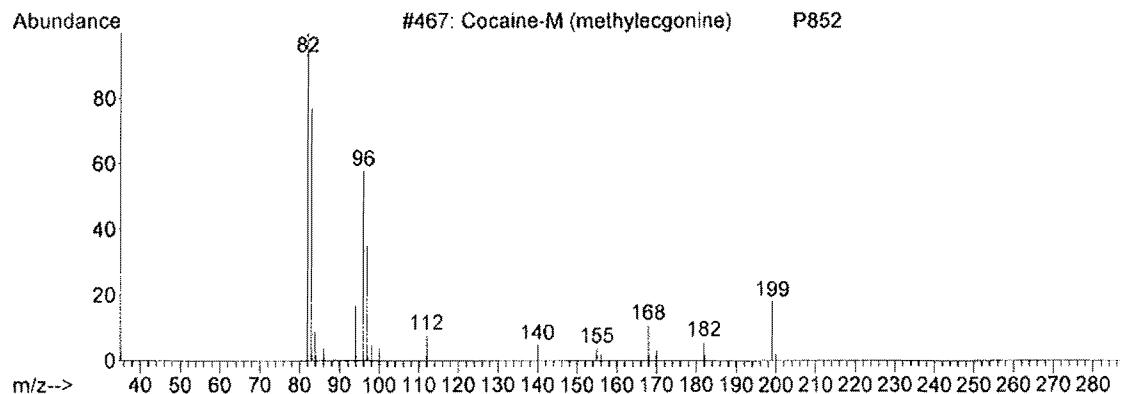
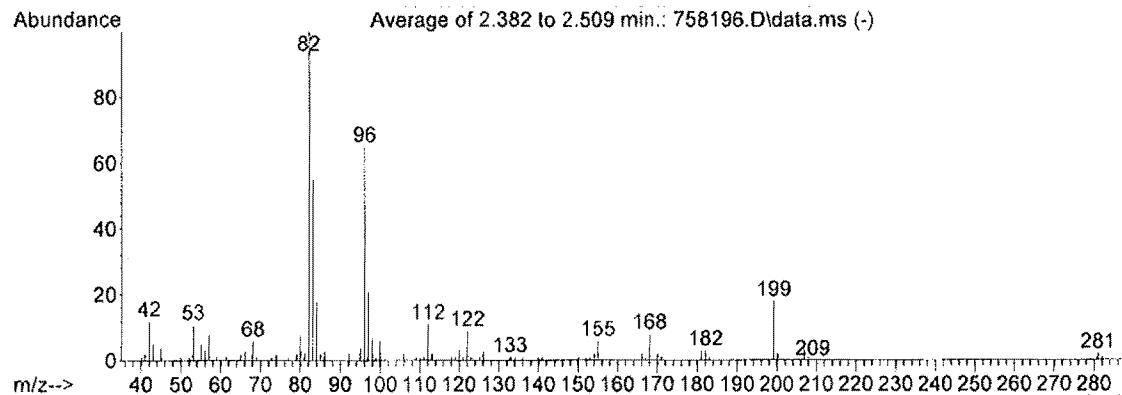


Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758196.D
 Operator : DJR
 Date Acquired : 2 Dec 2010 5:58
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 96
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.40	C:\Database\PMW_TOX2.L		
		Cocaine-M (methylecgonine)	007143-09-1	47
		Cocaine	000050-36-2	33
		Lobelaine artifact	000000-00-0	9

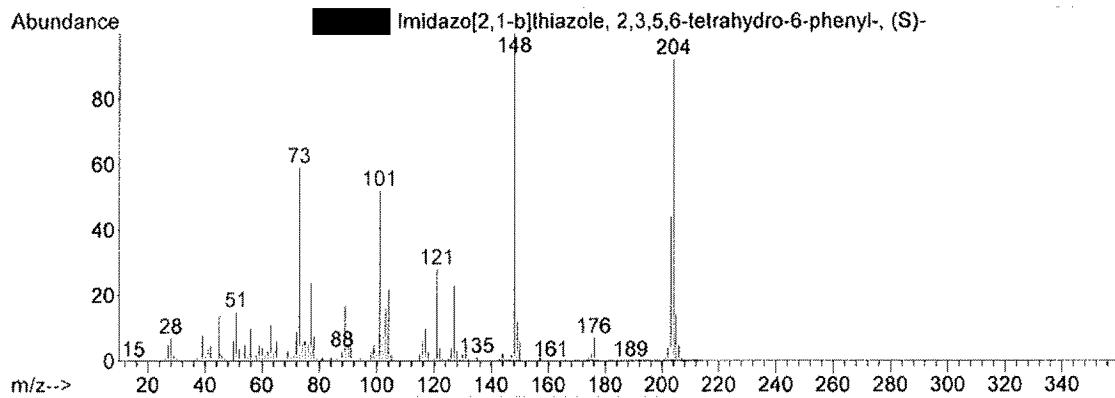
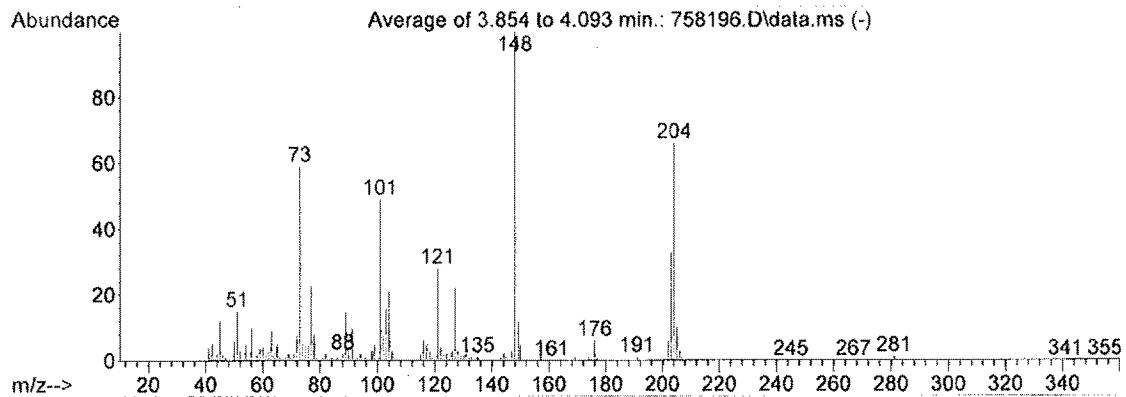


Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758196.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:58
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 96
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	3.89	C:\Database\NIST05a.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98

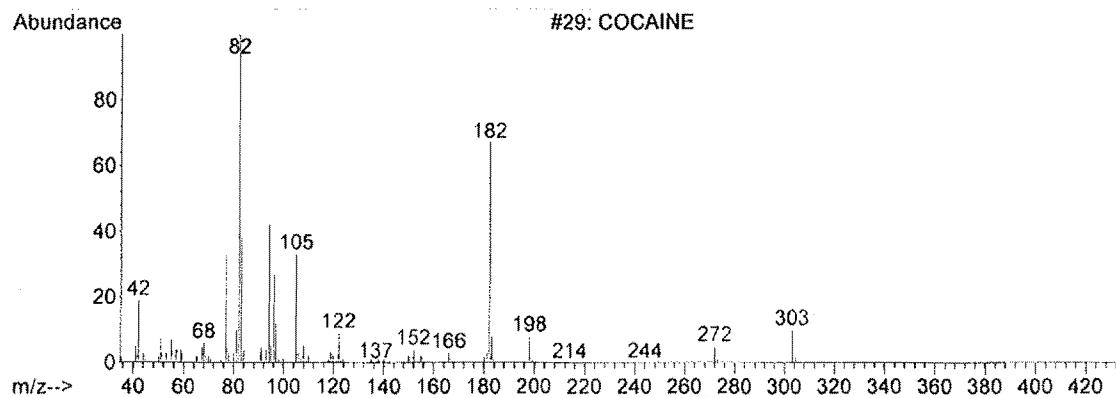
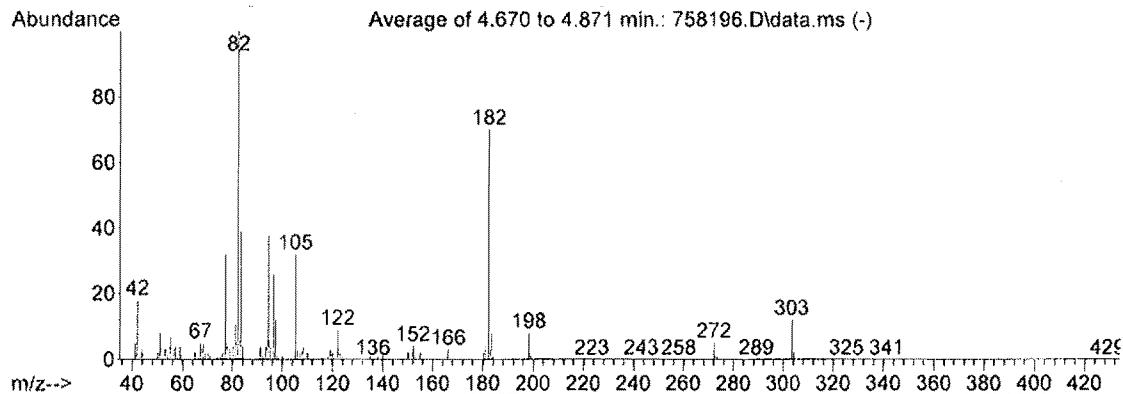


Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758196.D
Operator : DJR
Date Acquired : 2 Dec 2010 5:58
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 96
AcquisitionMeth: DRUGS.M
Integrator : RTE

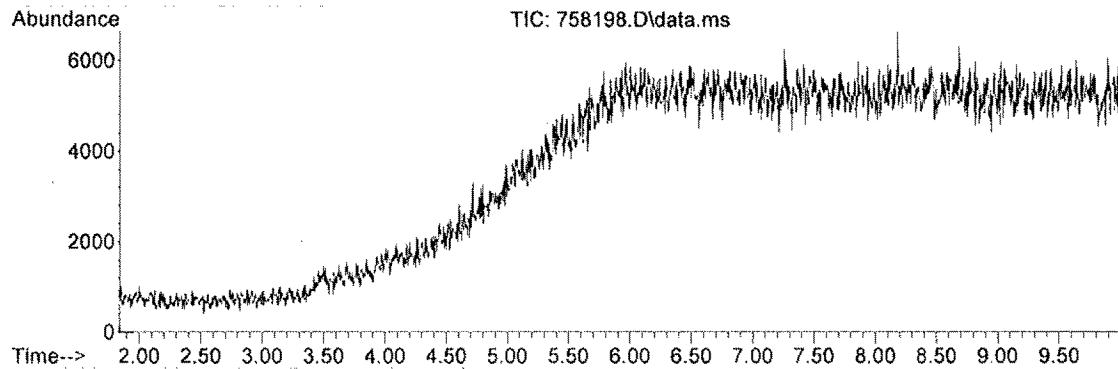
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	4.71	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758198.D
Operator : DJR
Date Acquired : 2 Dec 2010 6:23
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

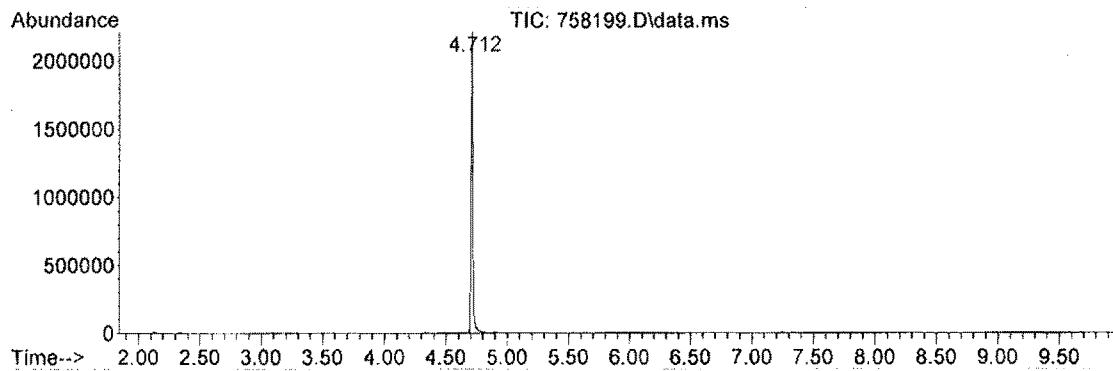


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758199.D
Operator : DJR
Date Acquired : 2 Dec 2010 6:36
Sample Name : COCAINE STD
Submitted by :
Vial Number : 99
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.712	2293694	100.00	100.00

Information from Data File:

File Name : C:\msdchem\1\System7\12_01_10\758199.D
Operator : DJR
Date Acquired : 2 Dec 2010 6:36
Sample Name : COCAINE STD
Submitted by :
Vial Number : 99
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.71	C:\Database\SLI.L COCAINE	000050-36-2	99

